

ROLL-UP DOOR ASSEMBLY

Abstract

A lightweight roll-up door comprises multiple lightweight panels that can be transversely installed/removed with a simple hinge assembly. The panels are hinged about one edge and have outer complementary arcuate portions that fill the gap at the edges of the door as the panels rotate about the hinge. The panels are extruded from a lightweight material. Additionally, the panels are structurally capable of supporting the necessary door hardware without deformation or breakage. A latch assembly is mounted to an extruded bottom panel forming a latch recess for receiving the latch assembly and with multiple mounting supports disposed within the hollow interior and extending between the latch recess and the interior wall.